

Below are the amended claims in clean, unmarked format.

1. (Amended) A method comprising:
 - identifying partial feasible routing solutions corresponding to each of a subset of a set of wires to be routed, each of the partial feasible routing solutions
 - 5 identifying a feasible route between fixed points in a layout; 1) new issue
 - merging the partial feasible routing solutions to identify one or more 2) not in spec
9. (Amended) A method comprising:
 - 10 constructing multiple partial feasible routing trees, each of the partial feasible routing trees identifying a set of partial feasible routing solutions for a subset of a set of wires to be routed, each of the partial feasible routing solutions identifying feasible routes between fixed points in a layout; and
 - 15 merging the multiple partial feasible routing trees to identify a set of feasible routing solutions for the set of wires to be routed.
15. (Amended) A method comprising:
 - determining a first set of possible routes between a first set of fixed points in an integrated circuit layout;
 - 20 determining a second set of possible routes between a second set of fixed points in the integrated circuit layout; Int'l Spec

merging the first and second sets of possible routes to determine a third set of possible routes, the third set of possible routes including possible routes from the first and second sets of possible routes that do not conflict.

5 20. (Amended) An apparatus comprising:
an integrated circuit device having wires routed according to a method comprising:

identifying partial feasible routing solutions corresponding to each of a subset of a set of wires to be routed, each of the partial feasible
10 routing solutions identifying a feasible route between two nodes fixed in layout;

merging the partial feasible routing solutions to identify one or more feasible routing solutions for the set of wires to be routed; and

*1) new issue
2) not in Spec*

15 selecting the routing from the one or more feasible routing solutions.

22. (Amended) A data storage medium storing instructions to be executed by a computer system, the instructions comprising:

20 a maze router to determine partial feasible routing solutions for each of a subset of a set of wires to be routed, each of the partial feasible routing solutions to identify a feasible route between fixed points in a layout; and
a deferred merging router to merge the partial feasible routing solutions to generate one or more feasible routing solutions.